**Homework Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Week 24 - CRS Review Period \_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 1. Solve for x. 2x – 4y = 10? | 1. Solve for b in the following = 5 |
| 1. Solve for | 1. Solve for b: given c = b2 + 16a |
| 1. Find angle BGD   x  6x  A  B  D  E  C  F  48  G | 1. Quadrilateral ABCD is a square. If *NAC* is 45° and *NCA* is 45°, what does *BND* equal?   *N*  *A*  *C*  *B*  *D* |
| 1. If angle PVT is 42⁰ and angle PVT is congruent to angle SVT, find angle PVQ.   P  Q  R  S  T  V | 1. If angle VOW is x, angle WOY is 2x, and angle TOV is 50⁰, find angle TOY.     X  Z  Y  V  W  T  O |

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| 1. Opposite vertices of a rectangle in the standard form (x,y) coordinate plane have coordinates of (2, 3) and (12, 9). What are the coordinates of the center of this rectangle? | 1. On a real number line, the coordinate of point P is -14 and the coordinate of point E is -8. What is the coordinate of the midpoint of PE? |
| 1. Find the midpoint of (3,4) and (-7, 8). | 1. Line segment *RS* has a midpoint *M*. If the endpoint *R* has coordinates (5, 1) and the midpoint *M* has coordinates (2, 7), what are the coordinates of the other endpoint? |
| 1. Find the value of ‘A’ in the triangle shown below. | 1. The expression is undefined for what values of x? |
| 1. In the figure below, ABC is a right triangle with a right angle at C. Which of the statements about this figure is NOT correct? 2. sin A = 3. sin B =   25  24   1. tan A =   B  C   1. sin B =   7   1. cos B = | 1. What are the roots of the equation y = x2 + - 1x -20? |
| 1. The line 4x + 5y = 20 crosses the y-axis at what point? | 1. One route along flat terrain from Madison to South Bend is to drive south from Madison for 400 miles to Chicago, then at Chicago to drive east 500 miles to South Bend. If a straight flat road existed between Madison and South Bend, how many miles would it be?   Madison  400 mi  Chicago 500 mi South Bend |
| 1. In the figure below,. Find the value of x that makes the triangles similar. | 1. Show that the triangles are similar by writing a similarity statement. *Explain* yourreasoning and use calculation to support your answer. |
| 1. What is the value of x? Round your answer to the nearest tenth. | 1. An angle in a right triangle has a measure.   If cos =, then tan= ? |
| 1. If x is a real number, and the value of is undefined, what is the value of x + 8? | 1. Rectangular television screens are usually measured by the length of their diagonal. For example, a 40 inch television measures 40 inches from the top right corner of the screen to the bottom left corner. What is the height of such a screen if it is 35 inches across? |